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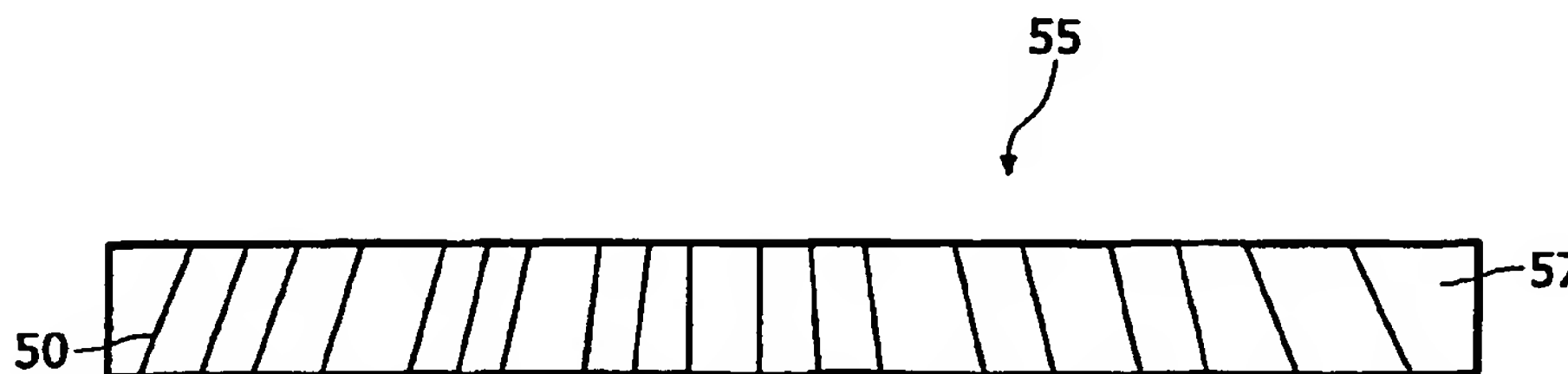
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(54) Title: COLLIMATOR



(57) Abstract: A collimator panel comprises: a solid panel having a first face for receiving uncollimated radiation and a second opposite face for providing collimated radiation; and a plurality of elongate particles disposed in the panel and orientated to provide the collimating function. A method of manufacturing a collimator panel comprises the steps of: suspending a plurality of elongate particles in a liquid; applying an electric or magnetic field to the suspension to orientate the particles; and solidifying the liquid to fix the orientation of the particles, thereby forming a collimator panel. A method of manufacturing the elongate particles is also provided.

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